



Release Notes

Questions and comments may be answered at 1-877-201-4721.

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VERSION 5.0

HAVEN now supports the OASIS 1.20 data specification, including the capability to inactivate assessments. Inactivation records are created using the Correction button and selecting option 4. Option 2 for key field changes is now disabled. Key field changes are now accomplished by inactivating the assessment, then submitting a replacement assessment.

Legacy support is provided for the 1.04 and 1.10 specifications. Note that the 1.20 and 1.10 specifications are identical for assessments that are not inactivation records. Therefore, when creating assessments, the only options provided are 1.20 and 1.04.

The patient search capability has been modified. The Search and Search Next 1000 buttons have been removed. The patient list will now be searched with each keystroke. For example, if searching by last name, typing a "J" will search the patient list for the first patient with a last name beginning with "J." As a result, the scrollbar on the patient list now reflects the complete set of patients.

A status bar has been added to the bottom of the HAVEN Management screen to inform the user of the number of patients and assessments that are currently maintained by HAVEN.

The third-party component used by HAVEN to manage ZIP files for the backup capability has been replaced by another component that supports generation of self-extracting executable (EXE) files. Therefore, the HAVEN backup now generates self-extracting EXEs, and the user is not required to have a separate ZIP utility installed.

HAVEN now displays the patient match criteria for each imported assessment. A checkbox has been added to the HAVEN Import screen to allow the user to prevent these messages from being displayed.

The assessment list for a patient on the HAVEN Management screen can now be sorted by any of the columns by clicking on the column header.

If an inactivation record is imported and matches to several versions of an assessment, HAVEN will attempt to inactivate the version of the assessment with the most recent lock date.

VERSION 4.1

The HAVEN ICD-9 database has been updated to contain the version 18.0 codes available on the HCFA Public Use Files web site (www.hcfa.gov/stats/pufiles.htm).

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The Archive window has been enhanced to speed the retrieval of patients eligible for archiving. The reason for assessment and effective date of the most recent assessment are displayed with each eligible patient.

The Import function has been corrected to accept assessments from patients where the Medicare number is N/A.

The Delete Export Set button on the Export screen has been removed. This prevents the user from accidentally deleting part of the HAVEN export history.

The Export description field on the Export screen is now optional. If left blank, HAVEN will automatically fill in the number of records exported as the description for an export.

The Hidden column header for the Patient list on the Maintain Patient Database screen was inadvertently renamed to Unit in Version 4.0. The column header has been restored to Hidden.

The tab orders for variables M0175 and M0390 have been corrected on their respective data entry screens. As a result, these variables now print in the correct order on the Assessment Data Entry Report.

After exiting data entry, the correct assessment is now highlighted as the currently selected assessment. In addition, after adding a patient using the Add Patient button on the HAVEN Management screen, the new patient is highlighted in the Patient list.

Upon entering an assessment, HAVEN correctly checks for updated patient information unless the assessment is a non-key field change assessment. Note that the Edit menu for modifying agency and patient information during data entry is no longer available for non-key field change assessments.

The M0175-M0220 data entry screen has been reorganized in order to increase visibility of the M0220 variable (some users reported difficulty seeing the UK and NA options).

The Import screen now contains an extra checkbox to exclude M0160 from the error checking of import files, since M0160 is required to be blank in submission files.

VERSION 4.0

HAVEN now supports the OASIS 1.10 data specification, including the calculation of HIPPS codes for applicable assessments. Note that the value for M0090 must be on or after 09/01/2000 in order to successfully complete and export a 1.10 assessment.

HAVEN continues to support entry of OASIS 1.04 assessments; however, 1.04 assessments must have a M0090 value prior to 10/01/2000. Upon entering a 1.04 assessment, HAVEN checks the M0090 value. If the value is earlier than 09/01/2000, then data entry is performed with the 1.04 specification. If the value is between 09/01/2000 and 09/30/2000 inclusive, or if M0090 has not been entered yet, the user is asked whether the assessment should be converted to a 1.10 assessment. **NOTE: A 1.10 assessment cannot be converted back to a 1.04 assessment.**

A correction to an assessment maintains the assessment specification of the prior version, i.e., a correction of a 1.04 assessment is error-checked with the 1.04 specification rules.

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HIPPS values are calculated with applicable 1.10 assessments. The user may highlight an assessment and calculate the HIPPS values from the HAVEN Management Screen, or from within the HAVEN data entry screens. When an assessment is marked complete, the HIPPS values are calculated again and stored to ensure that the correct values are associated with the final version of the assessment.

The export screen has been enhanced to display HIPPS information for each Export Ready assessment. The assessment list can be printed using the Print Assmts command button. The list can be sorted by clicking once on the displayed columns – additional clicks toggle the sort between ascending and descending order.

HAVEN now supports operation with the Windows 2000 operating system.

If a patch is required to the HAVEN databases, a HAVEN Patch screen is displayed after logging in. The user has the option to continue with the patch or exit the program. **It is strongly recommended that a backup of the databases be performed prior to allowing HAVEN to perform any patches.**

This version of HAVEN is 32-bit only; 16-bit versions are no longer in development.

During data entry, the HAVEN title bar displays the specification version in effect for that assessment (e.g., 1.10 Specification).

The HAVEN Import function now supports the import of both 1.10 and 1.04 assessments.

VERSION 3.0

A 32-bit version of the HAVEN installation is now available.

A search “Next 1000” button was added to all grids that display the list of patients. The grids now only display 1,000 patients at a time. To view the next 1,000 patients, the user must click the “Next 1000” button.

The user can now select the type of enforcement for assessment sequencing. If strong enforcement is selected, the sequencing order of assessments is strictly enforced. If weak enforcement is selected, the user may violate the sequencing order but a warning is provided if the user does so. Sequencing enforcement applies to both the adding of assessments and the importing of assessments.

Per HCFA data specifications, the sequencing rules have been modified such that RFA 10 can no longer follow RFA 04 or 05.

Assessment correction type 4 was removed.

HAVEN now conforms to Version 1.04 of the Uniform Data Submission Specifications for the OASIS-B1.

When creating an export file for submission type Production or Test, masking of identifying fields is now performed for private pay assessments. A DLL and an INI file were added to the installation to support this feature. In addition, all masked values are written to a separate table in the HHA.MDB database called ENCRYPT.

On the export function, submission type Local Use was added. For this submission type, no masking is performed and the M0160 field is not blanked out. In addition, a value of “2” is written out for the Test/Production Indicator at position 574 of the header record.

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On the import function, only import files with a value of "2" for the Test/Production Indicator at position 574 of the header record are allowed. This feature prevents the import of any files with masked data.

On the export function, the buttons for selecting Medicare/Medicaid and non Medicare/Medicaid assessments have been removed.

A new type of report was added. This report displays all available masked values in HEX format along with the original unmasked values.

A new function has been implemented to allow users to look up patients by providing the masked values in HEX format.

The HAVEN documentation has been modified to note that HAVEN does not support a peer-to-peer configuration where a user attempts to configure the software for a network environment by placing the HHA.MDB on a shared local drive on their PC.

On the Maintain Patient Database screen, the data entry rules have been modified such that the rules now prohibit data entry of any characters that would cause HAVEN to recognize that field as being masked.

The user is not allowed to set the backup path equal to either the application path or the data path.

When HAVEN is being configured for a network environment, the user is not allowed to set the data path equal to the backup path.

The data entry rules for the M0016_BRANCH_ID field have been modified to allow only alphanumeric characters.

The M0150 help text has been modified.

If an assessment was exported, the patient information was modified and then a non-key correction was performed on the assessment, the effect was a key field correction, because HAVEN would perform a comparison of the patient information when the correction was performed and the assessment opened. This error has been corrected.

The REPAIR.EXE has been modified to allow *.ARK files.

The Fix Inactive Fields function was enhanced to handle scenarios in which an option was filled but should not have been, because the option was not applicable for the particular RFA. This scenario sometimes occurs when importing files created by third party vendors who do not completely conform to HCFA specifications.

Whenever the Select Directory window was displayed, the action of clicking on the Cancel button was not handled properly. This error has been corrected.

Per HCFA data specifications, the Maintain Agency Database screen has been modified such that both the M0010 Medicare and M0012 Medicaid Provider Numbers are allowed to be blank.

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Per HCFA data specifications, the Maintain Patient Database screen has been modified such that the M0060_PAT_ZIP can now contain letters and the restriction that the value be 5 or 9 digits long has been removed. However, a warning is provided to the user if either one of these two scenarios is met.

The automatic backup function no longer copies the files to the specified backup directory. Instead, the files are compressed to a file called HHA.ZIP on the specified backup directory.

A new type of report was added. This report displays all assessments with a status of "In Use".

The search function for all grids that display the list of patients has been modified to include M0020 patient ID.

All grids that display the list of patients, except those on the Archive and Restore functions, have been modified such that the user can click on a column heading to sort by that column.

The Data Entry report has been modified such that the report displays the variable description rather than the variable name.

A "print overflow" error occurred whenever the user attempted to print an abnormally large number of validation messages that resulted from the import of a file containing many errors. This error has been corrected.

The "Delete Assmt" function was modified such that any assessment can be deleted if the type of sequencing enforcement is set to "Weak Enforcement".

In some rare instances, the lock date is assigned a value of "YYYYMMDD". This is due to the fact that: 1) the lock date is derived from the computer system date and 2) in some rare instances, HAVEN returns a computer system date of "MM/DD/YYYY". This problem has been addressed by prompting the user for the current date if HAVEN returns an invalid computer system date.

VERSION 2.4 (LIMITED BETA RELEASE)

On exit of data entry, a user would receive a "print overflow" error under the following scenario: if the Reason for Assessment was 04, the computer system date was of year 2000, the recertification window was of year 1999 and the Windows short date style property was not set to a 4-digit year. This error was corrected.

VERSION 2.3 (LIMITED BETA RELEASE)

The restore function was failing whenever a patient had multiple assessments with multiple spellings of his/her last name. This error was corrected.

The Management Screen was disappearing prematurely when either the archive/restore or export functions were accessed. It appeared to the user that the HAVEN software had terminated abnormally. This error was corrected. The Management Screen now remains visible with an hourglass cursor until the archive/restore or export screen is ready to be displayed.

All grids that display the list of patients were modified to accommodate up to 5,000 patients.

VERSION 2.2 (LIMITED BETA RELEASE)

Additional error handling was implemented for the "Add Patient" and "Add Assmt" buttons on the Management Screen.

VERSION 2.1

A problem with the HAVEN 2.0 dictionary (HHADICT.MDB) was corrected. A "filler" field (ITEM_FILLER2) was enabled with Version 2.0 on the M0903-M0906 subtab for discharge assessments. Note that the ITEM_FILLER2 field was not visible to the user, since it was located underneath the M0903 variable. Nevertheless, it was possible to inadvertently populate this field with data by tabbing to it. The new dictionary provided with this patch corrects the problem for future discharge assessments.

For assessments that currently contain data in the ITEM_FILLER2 field, a patch program (HVN20FIX.EXE) has been provided. This program searches the HHA table in the HHA.MDB and replaces any non-null values in the ITEM_FILLER2 field with null.

The capability to select whether M0160 data is included for assessments in an export file was added to the Export screen. For submissions to the State System, M0160 data should NOT be submitted. Users may want to include M0160 data when exporting data from a branch HAVEN installation to a central agency office, where the data is imported into a master HAVEN database.

The warning messages on HAVEN have been relaxed for dates out of range for RFAs 6, 7, 8, and 10 (transfer to an inpatient facility and unexpected discharge). The regulations require that the assessment be completed within two days of learning of the event (which is a date that is not collected). Therefore, the edit checks for timely completion (the difference between the assessment date [M0090] and the discharge/transfer/death date [M0906]) for patients that are transferred to an inpatient facility or are unexpectedly discharged are no longer enforced for RFAs 6, 7, 8, and 10.

The warning error "if M0032_ROC_DT is not blank and M0100_ASSMT_REASON is equal to 03, then M0090_INFO_COMPLETE_DT and M0032_ROC should be not more than 2 days" will no longer occur for RFAs other than 03.

The date in the warning error message "State may not accept an assessment with effective date prior to March 26, 1999" was changed to July 19, 1999.

VERSION 2.0

Added a section to the system manual about Windows Property Settings to instruct the user about the Font Size and Short Date Style property settings. These properties must be set properly in order to ensure the reliable operation of the software.

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Added a section to the System Reference Manual about installing and using HAVEN in a network environment.

Incorporated the enhanced record rejection criteria.

Changed the key fields displayed to the user when performing a correction type 2.

Added a Y2K BIOS check and warning message.

The automatic backup now works correctly when the user exits the software by clicking on the "X" button at the top right hand corner.

Removed the following fields from RFA 10: M0870_DSCHG_DISP, M0880_AFDC_NO_ASSIST, M0880_AFDC_FAM_ASSIST, M0880_AFDC_OTH_ASSIST, M0903_LAST_HOME_VISIT.

Incorporated the changes to the consistency checks for the following fields: M0870_DSCHG_DISP, M0880_AFDC_NO_ASSIST, M0880_AFDC_FAM_ASSIST, M0880_AFDC_OTH_ASSIST, M0903_LAST_HOME_VISIT.

Changed the default value of the VERSION_CD2 field to "1.03".

When an assessment created with HAVEN 1.0 and layout version code "1.02" is opened in HAVEN 2.0, the data are migrated to conform with layout version code "1.03".

When an assessment created with HAVEN 1.0 and layout version code "1.02" is imported into HAVEN 2.0, the data are migrated to conform with layout version code "1.03".

On import, any records with a layout version code that does not begin with "1.0" are rejected.

Fixed the task bar display problem.

Previously, if the import or file error check operations generated a large number of errors, selecting "View" generated a blank window. This problem has been addressed by disabling the view functionality when a large number of errors are present.

Migrated to the InstallShield installation program and included an uninstall feature.

Previously, HAVEN: 1) imported assessments that contained data in fields that should be inactive due to the reason of assessment and 2) provided no means to clear out these inactive fields, because they did not display on any of the data entry screens. This issue has been addressed by providing a function to fix all inactive fields on a particular assessment.

For correction type 3, the rule requiring the lock date to be within seven days of the M0090 assessment completion date has been removed.

On import, if no matching records are found in the database for a particular assessment and the CORRECTION_NUM is not equal to "00", then the assessment is rejected.

If the effective date is prior to March 26, 1999, a WARNING message stating that the assessment may not be accepted by the State System is provided.

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The System Administrator is now permitted to install HAVEN in a network environment by allowing the primary storage database HHA.MDB to be located on a shared network drive.

Addressed the problem of data cross-referencing between two patients when HAVEN was used in a network environment.

Fixed the display of validation warnings under Windows 95.

Streamlined the HAVEN startup process to address the “valid path to dictionary” problems and added additional error trapping.

For correction type 4, a warning message informing the user that this type of correction will no longer be available in the Spring 2000 release is provided.

When the default automatic backup path no longer exists, the software now provides a warning message notifying the user that the automatic backup is not going to be performed.

A compact functionality is now available in the REPAIR.EXE.

Fixed the REPAIR.EXE so that it will repair files with filenames in lower case.

Added an archive/restore component.

Modified the automatic backup procedure to backup the *.ARK archive databases.

On the export screen, software will now mark an assessment as being “Medicare/Medicaid” if the assessment is of RFA type 01, 02, 03, 04, 05 or 09 and the response to M0150 is 1, 2, 3 or 4, or the assessment is of RFA type 06, 07, 08 or 10.

On the export screen, a button to select only the assessments marked as “Medicare/Medicaid” is provided.

On the export screen, a button to select only the assessments not marked as “Medicare/Medicaid” is provided.

Modified the export test submission functionality to change the status on all exported assessments from “Locked(Export Ready)” to “Locked(Exported)”.

Increased the display of patients to 1,000 on the HAVEN Management Screen, Maintain Patient Database screen and the Report Assessment Selection screen.

Changed the display of password to asterisks in the Maintain Employee Database screen.

The application and system database (HHA.MDB) paths are now displayed in the Help | About box.

With correction type 2, the system was modified to ensure that any changes to the patient identification fields do not create a duplicate with another patient.

Changed the menu hot key letters.

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Previously, reports would only display one selected option when multiple options were selected by the user for multiple-select variables. This problem has been fixed.

The software now includes a report displaying all open assessments and the user performing the data entry on that assessment.

The import function was modified so that it does not fail when an ICD-9-CM code does not have a blank in the first position.

When the user selected the "Return to Data Entry" button on the Validation Warnings Screen, the software did not always return to the last screen the user was performing data entry on. This problem has been fixed.

Added another column in the assessment display list to include an indicator of whether or not the assessment is currently open.

The software now prevents a user from opening an assessment if it is marked as open.

Provided a function to allow a System Administrator to reset the open status of an assessment.

For RFA 04 to 10, the M0032 resumption of care date is now accessible.

Removed HAVEN's dependency on the MEDS.MDB file.

The date warning messages were modified to be more like English language.

Changed the messages displayed in the Validation Warnings Screen to be more user-friendly.

The software now handles the simultaneous addition of more than one patient in a network environment.

The software now handles the simultaneous addition of more than one assessment in a network environment. This capability also addresses the sequencing issues that arose when more than one assessment was added for the same patient simultaneously.

The software now prohibits the deletion of a patient with at least one open assessment.

The software now prohibits the hiding of a patient with at least one open assessment.

The software now prohibits the deletion of an assessment that is currently open.

The software now handles the deletion of an assessment that either: 1) has been deleted by another user or 2) belongs to a patient who has been deleted by another user in a network environment.

The software now prohibits the entry of data for an assessment that either: 1) has been deleted by another user or 2) belongs to a patient who has been deleted by another user in a network environment.

The software now prohibits the correction of an assessment that either: 1) has been deleted by another user or 2) belongs to a patient who has been deleted by another user in a network environment.

The software now prohibits the clearing of inactive fields for an assessment that either: 1) has been deleted by another user or 2) belongs to a patient who has been deleted by another user in a network environment.

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The software now prohibits changes to the agency information when at least one assessment is currently open.

The software now prohibits changes to a patient's information when at least one assessment for that patient is currently open.

The software now handles the deletion of a patient who has already been deleted by another user in a network environment.

The software now handles the hiding of a patient who has already been deleted by another user in a network environment.

The software now prohibits the import functionality from being performed when at least one assessment is currently open.

The software has been modified so that if the user edits agency information while in data entry, changes cannot be saved if any assessments are currently open other than the assessment being edited by that user.

The software has been modified so that if the user edits patient information while in data entry, changes cannot be saved if any assessments are currently open for that patient other than the assessment being edited by that user.

The software now handles problems that occur while trying to add a patient to the database during import.

The software now handles problems that occur while trying to add an assessment to the database during import.

The software now handles problems that occur while trying to update agency information in the database during import.

The software now handles problems that occur while trying to update patient information in the database during import.

The software now handles the situation when two correction type 3's are being performed simultaneously in a network environment.

The software now prohibits a user from adding an assessment for a patient who has been deleted by another user in a network environment.

The software now prohibits the export function from executing when at least one assessment is currently open.

The software now allows multiple users to delete patients (including the same patient) simultaneously.

The software now prevents import of assessments for patients who have been archived.

In the Maintain Patient Database screen, when a user tries to add a patient who already exists in the database, the software now displays the name of the original patient (except if duplicate occurs on key field SSN or key fields First Name, Last Name, DOB and Gender).

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On the export function, the M0160 positions are now blanked out in the export file. The software continues to maintain the values in the database.

On the export function, the RFA type has been added to the display information about assessments ready to be exported.

VERSION 1.1

The software now recognizes Guam's abbreviation "GU" as a valid state abbreviation.